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4

Application Number

10/783,243

Filing Date

February 20, 2004

First Named Inventor

ARMSTRONG, Steven

Art Unit

3676

Examiner Name

Attorney Docket Number

5645-03-A

ENCLOSURES (check all that apply)☐ Fee Transmittal Form☐ Fee Attached☐ Amendment / Reply☐ After Final☐ Affidavits/declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☒ Information Disclosure
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11/23/04

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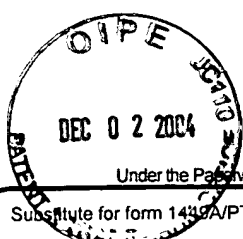
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(Use as many sheets as necessary)

Sheet 1 of 3

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| | |
|------------------------|-------------------|
| Application Number | 10/783243 |
| Filing Date | February 20, 2004 |
| First Named Inventor | ARMSTRONG, S. |
| Art Unit | 3676 |
| Examiner Name | |
| Attorney Docket Number | 5645-03-A |

U.S. PATENT DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|------------------------|--------------------------|--|--------------------------------|--|---|
| | | Number - Kind Code ² (if known) | | | |
| | | 2004/0069030 A1 | 04/15/2004 | TAKADAMA | |
| | | 2003/0154753 A1 | 08/21/2003 | DIMIG et al. | |
| | | 2003/0089149 A1 | 05/15/2003 | SUZUKI et al. | |
| | | 2003/0084692 A1 | 05/08/2003 | HERDMAN | |
| | | 2003/0037582 | 02/27/2003 | EDWARDS JR. et al. | |
| | | 6,776,017 | 08/17/2004 | HERDMAN | |
| | | 6,564,601 | 05/20/2003 | HYATT JR. | |
| | | 6,532,782 | 03/18/2003 | CHIU | |
| | | 6,523,378 | 02/25/2003 | KUO | |
| | | 6,516,643 | 02/11/2003 | OLSHAUSEN | |
| | | 6,425,274 | 07/30/2002 | LAITALA et al. | |
| | | 6,295,850 | 10/02/2001 | ANDERSON | |
| | | 6,142,717 | 11/07/2000 | STAIGER | |
| | | 6,134,928 | 10/24/2000 | KANG | |
| | | 6,119,495 | 09/19/2000 | LORETI | |
| | | 6,079,240 | 06/27/2000 | SHVARTS | |
| | | 6,076,386 | 06/20/2000 | ETCHELLS et al. | |
| | | 6,047,577 | 04/11/2000 | KLIMAS | |
| | | 6,029,484 | 02/29/2000 | JETTON | |
| | | 5,979,200 | 11/09/1999 | CLIFF | |
| | | 5,970,760 | 10/26/1999 | SHEN | |
| | | 5,921,123 | 07/13/1999 | SCHWARZKOPF et al. | |
| | | 5,921,122 | 07/13/1999 | LIN | |
| | | 5,884,512 | 03/23/1999 | WAYNE | |
| | | 5,791,181 | 08/11/1998 | SPERBER et al. | |
| | | 5,765,417 | 06/16/1998 | BOLTON | |
| | | 5,752,400 | 05/19/1998 | KIM | |
| | | 5,718,136 | 02/17/1998 | ALDIERI et al. | |
| | | 5,704,234 | 01/06/1998 | RESCH | |
| | | 5,640,865 | 06/24/1997 | WIDÉN | |
| | | 5,540,071 | 07/30/1996 | REIKHER | |
| | | 5,431,034 | 07/11/1995 | FANN et al. | |
| | | 5,428,978 | 07/04/1995 | TSUKANO | |
| | | 5,325,690 | 07/05/1994 | ADLER et al. | |
| | | 5,233,850 | 08/10/1993 | SCHROEDER | |
| | | 5,211,044 | 05/18/1993 | KIM | |

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Sheet 2 of 3

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| Application Number | 10/783243 |
| Filing Date | February 20, 2004 |
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|------------------------|--------------------------|--|--------------------------------|--|---|
| | | Number - Kind Code ² (if known) | | | |
| | | 5,209,088 | 05/11/1993 | VAKS | |
| | | 5,174,136 | 12/29/1992 | THWING | |
| | | 5,121,619 | 06/16/1992 | MARTIN | |
| | | 5,076,081 | 12/31/1991 | BORIS, JR. | |
| | | 5,044,180 | 09/03/1991 | LEBRECHT | |
| | | 5,038,589 | 08/13/1991 | MARTIN | |
| | | 5,024,071 | 06/18/1991 | SHAFIRKIN | |
| | | 5,010,753 | 04/30/1991 | BORIS, JR. | |
| | | 4,996,856 | 03/05/1991 | LIN et al. | |
| | | 4,966,021 | 10/30/1990 | BOAG | |
| | | 4,942,749 | 07/24/1990 | RABINOW | |
| | | 4,920,774 | 05/01/1990 | MARTIN | |
| | | 4,912,953 | 04/03/1990 | WOBIG | |
| | | 4,909,053 | 03/20/1990 | ZIPF III et al. | |
| | | 4,899,563 | 02/13/1990 | MARTIN | |
| | | 4,850,210 | 07/25/1989 | ADLER et al. | |
| | | 4,836,002 | 06/06/1989 | MONAHAN | |
| | | 4,794,772 | 01/03/1989 | FALK et al. | |
| | | 4,765,163 | 08/23/1988 | TRULL et al. | |
| | | 4,747,281 | 05/31/1988 | MONAHAN | |
| | | 4,741,188 | 05/03/1988 | SMITH | |
| | | 4,732,023 | 03/22/1988 | SHEN | |
| | | 4,729,231 | 03/08/1988 | WU | |
| | | 4,712,402 | 12/15/1987 | MONAHAN | |
| | | 4,712,401 | 12/15/1987 | MONAHAN | |
| | | 4,712,399 | 12/15/1987 | MATTOSSOVICH | |
| | | 4,689,978 | 09/01/1987 | DRUMMOND | |
| | | 4,440,009 | 04/03/1984 | SMITH | |
| | | 4,412,437 | 11/01/1983 | SMITH | |
| | | 4,404,824 | 09/20/1983 | HENNESSY | |
| | | 4,393,673 | 07/19/1983 | WIDÉN | |
| | | 4,377,940 | 03/29/1983 | HUCKNALL | |
| | | 4,376,382 | 03/15/1983 | RAYMOND et al. | |
| | | 4,372,139 | 02/08/1983 | LAAKE | |
| | | 4,320,639 | 03/23/1982 | KLEEFELDT et al. | |
| | | 4,142,391 | 03/06/1979 | PAIG | |
| | | 4,094,175 | 06/13/1978 | PECHNER | |

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|------------------------|--------------------------|--|--------------------------------|--|---|
| | | Number - Kind Code ² (if known) | | | |
| | | 4,069,694 | 01/24/1978 | RAYMOND et al. | |
| | | 4,015,458 | 04/05/1977 | MERCURIO | |
| | | 3,999,413 | 12/28/1976 | RAYMOND et al. | |
| | | 3,990,282 | 11/09/1976 | SORUM | |
| | | 3,910,083 | 10/07/1975 | BURLINGAME | |
| | | 3,754,422 | 08/28/1973 | STACKHOUSE | |
| | | 3,735,612 | 05/29/1973 | POPOVICI | |
| | | 3,728,880 | 04/24/1973 | FALK | |
| | | 3,726,116 | 04/10/1973 | DIMOTTA | |
| | | 3,667,262 | 06/06/1972 | HILL | |
| | | 3,589,153 | 06/29/1971 | HILL | |
| | | 3,320,781 | 05/23/1967 | HILL | |
| | | 3,190,093 | 06/22/1965 | SCHLAGE | |
| | | 3,183,692 | 05/18/1965 | CHECK | |
| | | 3,149,486 | 09/22/1964 | RUSSELL | |
| | | 2,977,786 | 04/04/1961 | MARRON | |
| | | 2,895,323 | 07/21/1959 | ERNEST | |
| | | 2,391,832 | 12/25/1945 | JOHNSTONE | |
| | | 2,370,862 | 03/06/1945 | JOHNSTONE | |
| | | 2,232,017 | 02/18/1941 | WILDER | |
| | | 2,194,469 | 03/26/1940 | FREMON | |
| | | 2,139,842 | 12/13/1938 | MILLER | |
| | | 1,965,889 | 07/10/1934 | GERALD | |
| | | 1,610,224 | 12/07/1926 | CARLO DALBONI et al. | |
| | | 1,565,556 | 12/15/1925 | FREMON | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|------------------------|--------------------------|---|-----------------------------------|---|--|----------------|
| | | Country Code ³ - Number ⁴ - Kind Code ⁵ (if known) | | | | |
| | | EP0157967 | 10-16-1985 | Innovative Resrch | | |
| | | EP0210037 | 01-28-1987 | Smith, Jerry R. | | |
| | | EP0872615 | 10-21-1998 | Abus Aug. Bremicker Sohne | | |
| | | WO9314290 | 07-22-1993 | Kim, Kwon, Woo | | |
| | | WO9736072 | 10-02-1997 | Australian Lock | | |

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Considered

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